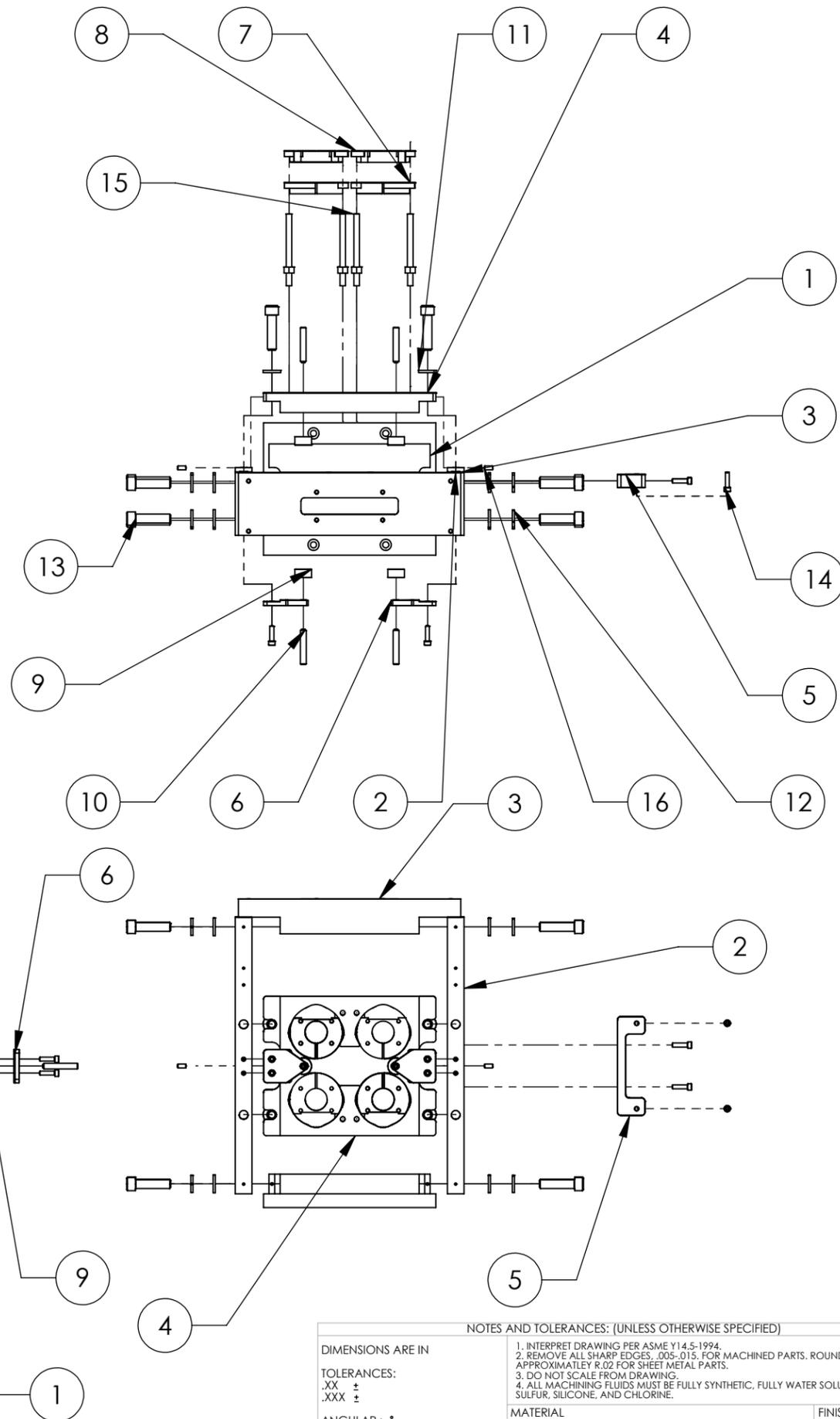
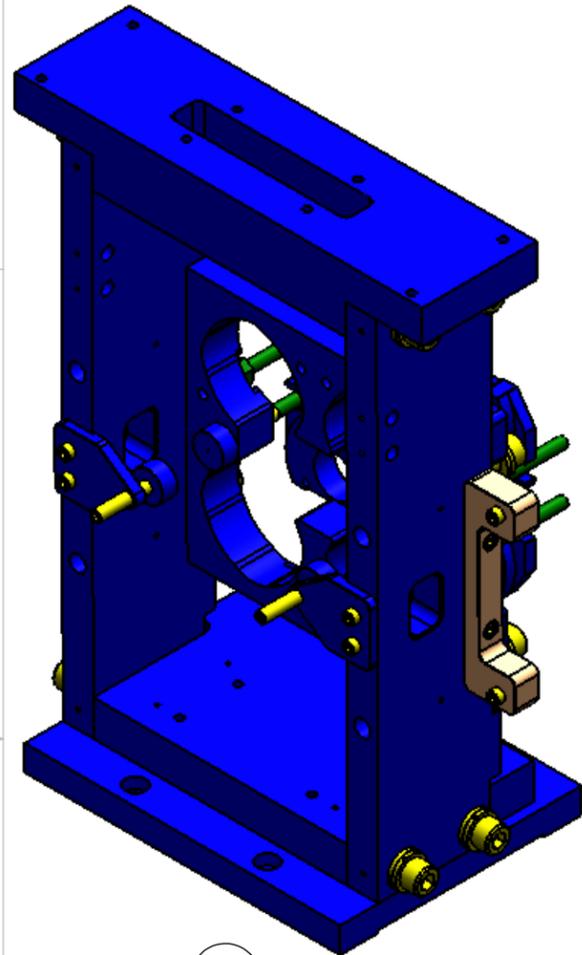


D1100906_v1_alIGO_HAM_Tip-Tilt_Suspension_Assembly - Structure, PART PDM REV: v1, DRAWING PDM REV:

NOTES CONTINUED:
 ⑤ SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



16			Socket Set Screw Oval Point #4-40x0.25	18-8 SSSL	2	2
15	D060109		BOSEM Adjuster Shaft	TITANIUM	8	8
14			Socket Head Cap Screw #4-40x0.4375	18-8 SSSL	8	8
13			Socket Head Cap Screw 1/4-20x1	18-8 SSSL	12	12
12			Lock Washer Spring Regular 1/4	18-8 SSSL	12	12
11			Flat Washer Type B Narrow 1/4	18-8 SSSL	12	12
10			Socket Set Screw Oval Point #8-32x1	18-8 SSSL	4	4
9	D1100346	v1	Tip-Tilt Mirror Holder ECD	6061-T6 Al	4	4
8	D1001511	v1	Tip-Tilt BOSEM Backplate - Upper Left	6061-T6 Al	2	2
7	D1001496	v1	Tip-Tilt BOSEM Backplate - Upper Right	6061-T6 Al	2	2
6	D1001492	v2	Tip-Tilt Structure ECD Bracket	6061-T6 Al	2	2
5	D1001484	v1	Tip-Tilt DSUB Bracket	PEEK	1	1
4	D1001450	v2	Tip-Tilt BOSEM Backplane	6061-T6 Al	1	1
3	D1000767	v2	Top Plate, Opposite dy=35mm	6061-T6 Al	1	1
2	D1000772	v2	Tip-Tilt Structure Side	6061-T6 Al	2	2
1	D1000768	v2	Tip-Tilt Structure Base	6061-T6 Al	1	1
ITEM NO.	PART NUMBER	Revision	DESCRIPTION	MATERIAL	REQ	SPARE TOTAL

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN
 TOLERANCES:
 .XX ±
 .XXX ±
 ANGULAR ± °

1. INTERPRET DRAWING PER ASME Y14.5-1994.
 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS.
 3. DO NOT SCALE FROM DRAWING.
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

MATERIAL N/A FINISH N/A μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY
alIGO HAM Tip-Tilt Suspension Assembly - Structure

SYSTEM: ADVANCED LIGO SUB-SYSTEM: ISC PART NAME: alIGO HAM Tip-Tilt Suspension Assembly - Structure

DESIGNER: BJJ Slagmolen 10 Jun 2010 SIZE: B DWG. NO.: D1100906 REV.: v1
 DRAFTER: BJJ Slagmolen
 CHECKER: APPROVAL:

SCALE: 1:4 PROJECTION: SHEET 1 OF 1